



P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN re Application of:

Panusopone et al.

Application No.: 10/613,865

Filed: July 3, 2003

For: **METHODS AND APPARATUS FOR VIDEO SIZE CONVERSION**

CERTIFICATE OF MAILING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 24, 2003.

By Carol Prentice
Carol Prentice

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. §1.56, Applicants wish to call the attention of the Examiner to the following references:

U.S. PATENT(S) :

| <u>Patent No.</u> | <u>Patentee</u> | <u>Date of Issue</u> |
|-------------------|-------------------|----------------------|
| 5,477,397 | Naimpally, et al. | Dec. 19, 1995 |
| 5,617,142 | Hamilton | Apr. 1, 1997 |
| 5,619,733 | Noe et al. | Apr. 8, 1997 |
| 5,923,814 | Boyce | Jul. 13, 1999 |
| 5,926,573 | Kim, et al. | Jul. 20, 1999 |
| 5,933,500 | Blatter, et al. | Aug. 3, 1999 |
| 6,275,536 | Chen et al. | Aug. 14, 2001 |
| 6,434,197 | Wang et al. | Aug. 13, 2002 |
| 6,441,754 | Wang et al. | Aug. 27, 2002 |

FOREIGN PATENT DOCUMENT(S):

| <u>Country</u> | <u>No.</u> | <u>Date of Publication</u> |
|----------------|------------|----------------------------|
| EPO | 0 627 854 | Dec. 7, 1994 |
| EPO | 0 794 674 | Sep. 10, 1997 |
| International | 97/39584 | Oct. 23, 1997 |
| EPO | 1 032 214 | Aug. 30, 2000 |

PUBLICATIONS:

Morrison, D.G., et al., "Reduction of Bit-Rate of Compressed Video While in its Coded Form", International Workshop on Packet Video, September 1, 1994, pages D17.1-D17.4.

Boyce, J.M., "Data Selection Strategies for Digital VCR Long Play Mode," Digest of Technical Papers for the International Conference on Consumer Electronics, New York, June 21, 1994, pp. 32-33.

G. Keesman, et al., "Transcoding of MPEG bitstreams," Signal Processing: IMAGE Communication, vol. 8, 1996. pp. 481-500.

Björk, Niklas et al., "TRANSCODER ARCHITECTURES FOR VIDEO CODING," IEEE Transactions on Consumer Electronics, Vol. 44, No. 1, February 1998, pp. 88-98.

Wee, S.J., et al., "Efficient Processing of Compressed Video", IEEE, Vol. 1, 1998, pages 855-859.

Staff of Cable Television Laboratories Inc., "DIGITAL TV SOLUTIONS," From the Labs: Cable World, February 1, 1999.

Dogan, S., et al., "Efficient MPEG-4/H.263 Video Transcoder for Interoperability of Heterogeneous Multimedia Networks", Electronics Letters, Vol. 35, No. 11, May 27, 1999, pp. 863-864.

Gebeloff, Rob., "The Missing Link,"
"http://www.talks.com/interactive/misslink-x.html.

R. Dugad and N. Ahuja, "A Fast Scheme for Downsampling and
Upsampling in the DCT Domain," ICIP99, 1999 IEEE, pp. 909-913.

C. Yim and M. A. Isnardi, "An Efficient Method for DCT-Domain
Image Resizing with Mixed Field/Frame-Mode Macroblocks," IEEE
Trans. Circ. and Syst. for Video Technology, Vol. 9, No. 5, August
1999, pp. 696-700.

Shen, B., et al., "Adaptive Motion-Vector Resampling for
Compressed Video Downscaling", IEEE Transactions on Circuits and
Systems for Video Technology, IEEE, Vol. 9, No. 6, September 1999,
pp. 929-936.

Wee, S.J., et al., "Field-to-Frame Transcoding with Spatial and
Temporal Downsampling", IEEE, Vol. 4 of 4, October 24, 1999,
pages 271-275.

Song, J., et al., "Fast Extraction of Spatially Reduced Image
Sequences from MPEG-2 Compressed Video", IEEE Transactions on
Circuits and Systems for Video Technology, IEEE, Vol. 9, No. 7,
October 1999, pp. 1100-1114.

Patent Abstracts of Japan, Abstract of Japanese Patent "IMAGE
INFORMATION CONVERTER AND METHOD", Publication No. 20001204026,
July 27, 2001.

Copies of the above-listed references are enclosed, together
with a completed form PTO-1449.

Applicants also wish to bring to the Examiner's attention
the following co-pending U.S. patent application:

Application No.

09/499,089

Filing Date

February 4, 2000

Consideration of these references by the Examiner is respectfully requested. To date, a first Office Action on the merits has not been received in connection with this application. This Information Disclosure Statement is therefore believed to be timely filed.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Date: September 24, 2003
ATTORNEY DOCKET NO.: GIC-600.1

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| FORM PTO-1449 | SEP 26 2003 PATENT TRADEMARK OFFICE | ATTY. DOCKET NO.: GIC-600.1 | SERIAL NO.: 10/613,865 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT(S): Panusopone et al. | |
| | | FILING DATE: July 3, 2003 | GROUP: |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------------|-------------------|-------|-----------|-------------|
| | AA | 5,477,397 | 12/19/1995 | Naimpally, et al. | | | |
| | AB | 5,617,142 | 04/01/1997 | Hamilton | | | |
| | AC | 5,619,733 | 04/08/1997 | Noe et al. | | | |
| | AD | 5,923,814 | 07/13/1999 | Boyce | | | |
| | AE | 5,926,573 | 07/20/1999 | Kim, et al. | | | |
| | AF | 5,933,500 | 08/03/1999 | Blatter, et al. | | | |
| | AI | 6,275,536 | 08/14/2001 | Chen et al. | | | |
| | AH | 6,434,197 | 08/13/2002 | Wang et al. | | | |
| | AG | 6,441,754 | 08/27/2002 | Wang et al. | | | |

FOREIGN PATENT DOCUMENTS

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| | AJ | 0 627 854 | 12/07/1994 | EPO | | | |
| | AK | 0 794 674 | 09/10/1997 | EPO | | | |
| | AL | 97/39584 | 10/23/1997 | International | | | |
| | AM | 1 032 214 | 08/30/2000 | EPO | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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| | AN | Morrison, D.G., et al., "Reduction of Bit-Rate of Compressed Video While in its Coded Form", <u>International Workshop on Packet Video</u> , September 1, 1994, pages D17.1-D17.4. |
| | AO | Boyce, J.M., "Data Selection Strategies for Digital VCR Long Play Mode," <u>Digest of Technical Papers for the International Conference on Consumer Electronics</u> , New York, June 21, 1994, pp. 32-33. |
| | AP | G. Keesman, et al., "Transcoding of MPEG bitstreams," <u>Signal Processing: IMAGE Communication</u> , vol. 8, 1996, pp. 481-500. |
| | AQ | Björk, Niklas et al., "TRANSCODER ARCHITECTURES FOR VIDEO CODING," <u>IEEE Transactions on Consumer Electronics</u> , Vol. 44, No. 1, February 1998, pp. 88-98. |

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

SEP 26 2003

ATTY. DOCKET NO.: GIC-600.1

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10/613,865INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| AR | Wee, S.J., et al., "Efficient Processing of Compressed Video", <u>IEEE</u> , Vol. 1, 1998, pages 855-859. |
| AS | Staff of Cable Television Laboratories Inc., "DIGITAL TV SOLUTIONS," <u>From the Labs: Cable World</u> , February 1, 1999. |
| AT | Dogan, S., et al., "Efficient MPEG-4/H.263 Video Transcoder for Interoperability of Heterogeneous Multimedia Networks", <u>Electronics Letters</u> , Vol. 35, No. 11, May 27, 1999, pp. 863-864. |
| AU | Gebeloff, Rob., "The Missing Link," " http://www.talks.com/interactive/misslink-x.html . |
| AV | R. Dugad and N. Ahuja, "A Fast Scheme for Downsampling and Upsampling in the DCT Domain," <u>ICIP99</u> , 1999 <u>IEEE</u> , pp. 909-913. |
| AW | C. Yim and M. A. Isnardi, "An Efficient Method for DCT-Domain Image Resizing with Mixed Field/Frame-Mode Macroblocks," <u>IEEE Trans. Circ. and Syst. for Video Technology</u> , Vol. 9, No. 5, August 1999, pp. 696-700. |
| AX | Shen, B., et al., "Adaptive Motion-Vector Resampling for Compressed Video Downscaling", <u>IEEE Transactions on Circuits and Systems for Video Technology</u> , IEEE, Vol. 9, No. 6, September 1999, pp. 929-936. |

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| | AY | Wee, S.J., et al., "Field-to-Frame Transcoding with Spatial and Temporal Downsampling", IEEE, Vol. 4 of 4, October 24, 1999, pages 271-275. | | | | | |
| | AZ | Song, J., et al., "Fast Extraction of Spatially Reduced Image Sequences from MPEG-2 Compressed Video", IEEE Transactions on Circuits and Systems for Video Technology, IEEE, Vol. 9, No. 7, October 1999, pp. 1100-1114. | | | | | |
| | BA | Patent Abstracts of Japan, Abstract of Japanese Patent "IMAGE INFORMATION CONVERTER AND METHOD", Publication No. 20001204026, July 27, 2001. | | | | | |
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